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convoluted drum OR drumshell

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Did you mean: convoluted drum OR **drum shell****KMR #74, Loud Family**... before, but I had never realized what an absolutely great guitarist Miller is, or how effortlessly drummer Gil Ray pulls off the most insanely **convoluted drum** ...

Description: Michael Zwirn's review of Attractive Nuisance.

Category: Arts > Music > Bands and Artists > L > Loud Family, The

home.earthlink.net/~zwirnm/review74.htm - 12k - [Cached](#) - [Similar pages](#)**R & D Marketing Group**... Large 4.80" **drum** opening, means less spillage and easy filling from 205L (44 Gallon)Drums or IBC's **Convoluted drum** profile & large inlet hole allows for an ...www.angelfire.com/on4/rdmarketing/OilSafeProductDescription.html - 16k - [Cached](#) - [Similar pages](#)**Oil Safe Professional Lubrication System**... means less spillage and easy filling from 205L (44 Gallon) Drums or IBC's; **Convoluted drum** profile & large inlet hole allows for an easy grip when filling. ...www.oilsafe.ca/about.htm - 24k - [Cached](#) - [Similar pages](#)**[PDF]Introducing Oil Safe**File Format: PDF/Adobe Acrobat - [View as HTML](#)... **Convoluted drum** profile & large inlet hole allows for an easy grip when filling.

* See-through graduated drums make liquid levels easy to see and measure. ...

www.oilsafe.ca/oilsafe_brochure.pdf - [Similar pages](#)**Sisterhood of Convoluted Thinkers - Ume Sour (Darla)**... Sisterhood of **Convoluted Thinkers** is Rob Christiansen and his wife Jeannine in ultra ... in Grenadine, crafts pleasant indie-pop filled with Casio keyboards, **drum** ...www.fakejazz.com/reviews/2001/sisterhood.shtml - 6k - [Cached](#) - [Similar pages](#)**Higginson - Hydraulic and Pneumatic Equipment, Components and ...**... points. **Convoluted drum** profile and large inlet hole allows for easy grip when filling. Contact Higginson for more information. HOMEwww.higginson.on.ca/new.html - 5k - [Cached](#) - [Similar pages](#)**33 rpm (Sisterhood Of Convoluted Thinkers)**... as archival background on Rob Christiansen, lead husband in Sisterhood of **Convoluted** ... of the speed and an intensifying of the drums (snare, muted kick **drum**, and ...www.geocities.com/voxpoptart/sisterhood.htm - 15k - [Cached](#) - [Similar pages](#)**britishaudio.com music search sublevel1**... Electronica, 0.36, Mid, \$79.00, Light industrial new age feel builds to **drum** ... Warlock, Ambient, New Age, Electronica, 2.29, Fast, \$99.00, It's another **convoluted** fantasy ...www.britishaudio.com/SLversion3/SL_sublevel1.asp?cat_id=67 - 35k - [Cached](#) - [Similar pages](#)**britishaudio.com music search show detail**... Electronica, 0.36, Mid, \$79.00. Light industrial new age feel builds to **drum** ... Warlock.Ambient, New Age, Electronica, 2.29, Fast, \$99.00. It's another **convoluted** fantasy ...www.britishaudio.com/SLversion3/sl_showdetail.asp?type_id=311 - 24k - [Cached](#) - [Similar pages](#)[\[More results from www.britishaudio.com \]](#)**MAG 1 Instruments**... The second package is a cylindrical **drum**. **Convoluted** acoustical foam was placed

altavista

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The Oil Safe Container System is a safe, sure, easy to use method of storing and dispensing lubricants and lubricating fluids in a wide variety of applications. Ideal for use in workshops,...

URL: http://www.gleaner.co.uk/Shopping/why_use.htm

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KMR #74, Loud Family

Subject: KMR #74, The Loud Family Newsgroups: rec.music.reviews,rec.music.misc Keywords: Kibbutz Music Reviews Organization: Fletcher School of Law and Diplomacy Author: Michael Zwirn...

URL: <http://home.earthlink.net/~zwirnm/review74.htm>

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Year End Poll '97

... noticed how the appreciation Jungle audiences have for those artists who can program the most **convoluted drum** patterns isn't very different from those "serious" ex-metalhead music majors who get off ...

URL: <http://www.popped.com/articles96-97/year...arendpart1.html>

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(cleland w/1 terry) and (drum or drumshell) 




Search

Use connectors to show relation of terms (cat or feline, jane w/3 doe) [more...](#)

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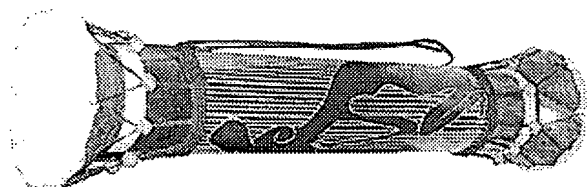
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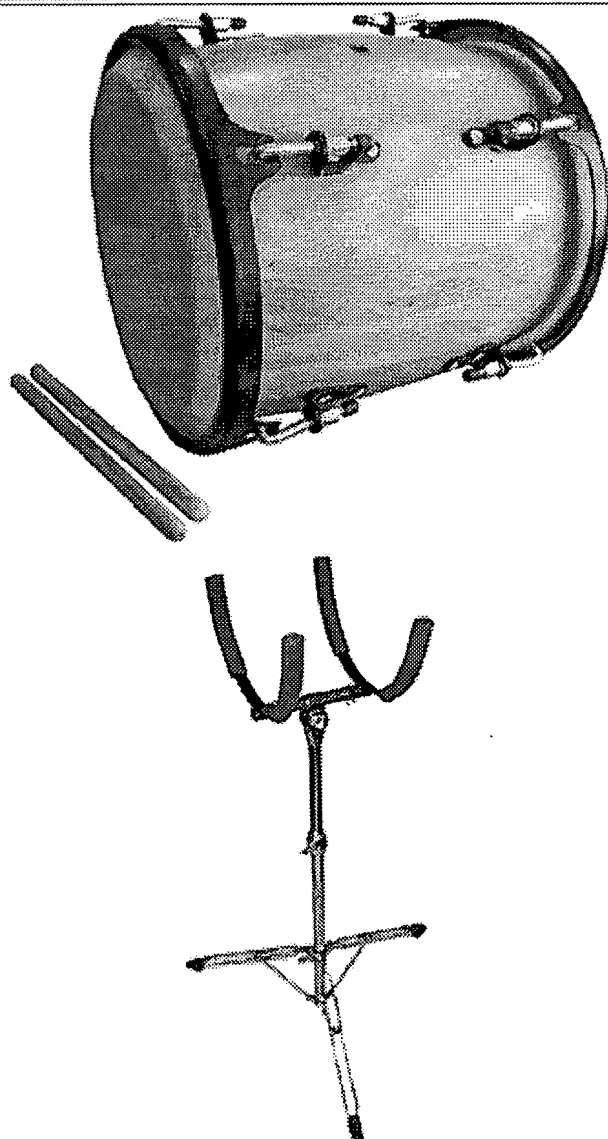
Nepali Lizard Skin Drum

Dark wood body with ornamental grooves.
Dozens of small wood spikes are used to hold on
the genuine lizard skin. 9" x 4" DRU432 \$85.00



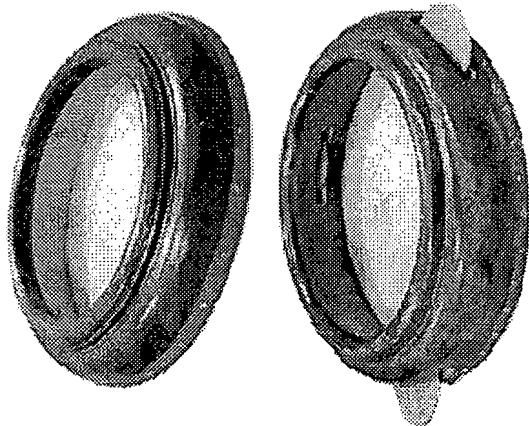
Bamboo Drum

Two tensionable heads, coconut resonators,
decorated bamboo body, carry strap, 19-1/2" long.
DRU430 \$30.00



Tambora

Modern version of the traditional Merengue drum,
replacing the rope tension and wooden hoops with
conga-style metal hardware on natural finish
wooden shell, 2 genuine skin heads, 12 inch
diameter. Comes with stand. DRU449 \$135.00



Rebana

The Rebana Hand Drum is made from a single piece of hardwood, app. 14" diameter and about 3 inches thick, mounted with a natural goatskin head, and has a wonderful crisp but rich tone. DRU452 \$75.00

Tambana

Similar to the Rebana Hand drum, but with 3 single pairs of large jingles that turn it into a great tambourine; app 14" diameter by about 3 inches thick, carved wooden body, goatskin head. DRU453 \$82.00

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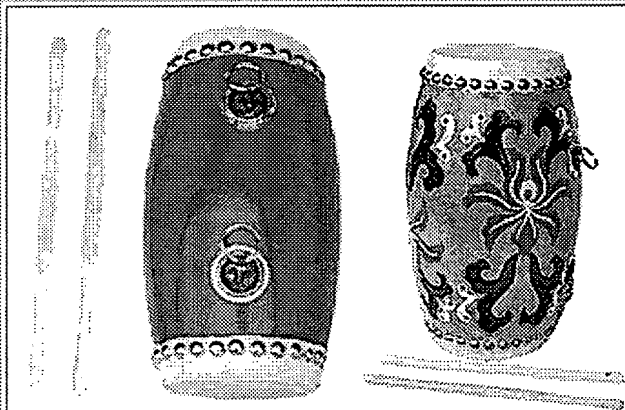
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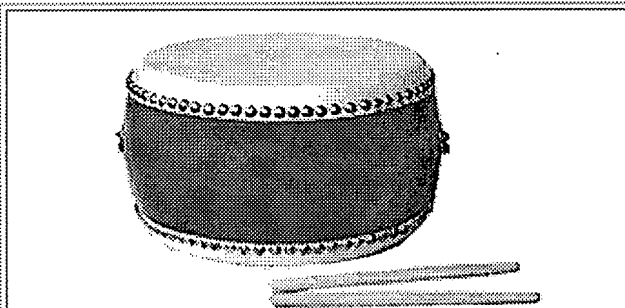
Yiu Gu Drums

These attractive Chinese drums have a delightful sound and are easy to play. They have metal rings so that you can attach a strap, wear them around your neck, and play them while you stand or march.

Red Yiu Gu Drum 4" X 10" DRU377 \$20.00

Hand Painted Yiu Gu 5" x 12" DRU358 *Sound in MP3 Format* \$110.00

5"w x 12"d Yiu Gu Drum Painted Red DRU410 \$30.00

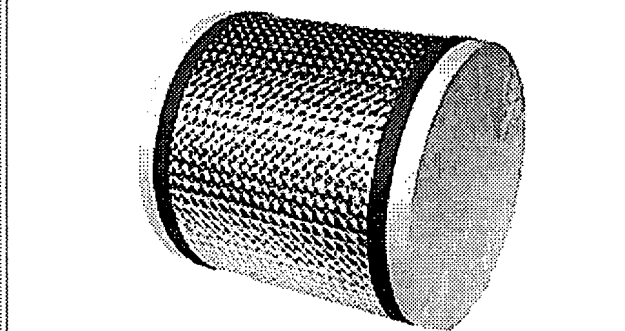


Tang Drums

These striking drums have a vibrant, clean sound and a beautiful, shiny red finish. The smaller model is 12" in diameter and 7" long, the larger one is 13"x8". These drums are used in many traditional Chinese ceremonies. Start your own Chinese New Year Parade!

12" Tang Drum DRU374 \$65.00

13" Tang Drum DRU375 \$80.00



Tong Zi Drum

Ancient traditions combine with modern hi tech to make this traditional Chinese drum with an amazing holographic finish. It comes with a carrying bag. This cross cultural time warp drum is double sided, with goatskin heads, and don't forget the shimmering, golden holograph design.

Tong Zi Drum 8"w x 11"d DRU379 \$33.00

Tong Zi Drum 10"w x 13"d DRU380 \$50.00

Tong Zi Drum 12"w x 14"d DRU376 *Sound in MP3 Format* \$65.00

Tong Zi Drum 14"w x 15"d DRU356 *Sound in MP3 Format* \$75.00

Tong Zi Drum 18"w x 18"d DRU370 \$90.00

Tong Zi Drum 17"w x 16"d DRU362 \$80.00

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S1	42	DRUMSHELL? ? OR DRUM? ?(2N)SHELL? ?
S2	30	RD S1 (unique items)
S3	5	DRUM? ?(3N)CORRUGAT?????
S4	4	RD S3 (unique items)
S5	5	DRUM??????(3N)CORRUGAT?????
S6	4	RD S5 (unique items)
S7	23	DRUM??????(3N)VERTICAL???
S8	19	RD S7 (unique items)
S9	4	DRUM??????(1N)CORRUGAT???????

FILE 'INPADOC' ENTERED AT 16:09:45 ON 05 AUG 2002
E JP2000293167/PN
L1 1 S E3
E SPACE CORP/PA
L2 5 S E4-6
E WATANABE NON/IN
E WATANABE NOB/IN
L3 0 S WATANABE NOBURO?/IN
L4 482 S WATANABE NOBORU?/IN
L5 1 S L4 AND DRUM#####

FILE 'JAPIO' ENTERED AT 16:12:20 ON 05 AUG 2002
L6 363 S WATANABE NOBORU?/IN
L7 1 S L6 AND DRUM#####

FILE 'WPIX' ENTERED AT 16:12:57 ON 05 AUG 2002
L8 0 S WATANABE NOBORU?/IN
L9 564 S WATANABE N?/IN
L10 6 S L9 AND DRUM#####
L11 1 S L9 AND PERCUSS#####

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L13 4 S L12 AND DRUM#####
L14 0 S L12 AND PERCUSS#####

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S1	0	HAUSA() KALANGOU() TALKING() DRUM
S2	205	TALKING() DRUM? ?
S3	4	HAUSA(10N) DRUM
S4	4	RD S3 (unique items)

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Alerts have been run. See HELP NEWS 347 for details.

Set	Items	Description
S1	3	AU='CLELAND T P'
S2	1034	IC='G10D-013/02'
S3	891	S2 AND DRUM???????
S4	122629	S2 AND DRUMSHELL? OR SHELL? ?
S5	173	S2 AND (DRUMSHELL? OR SHELL? ?)
S6	117	S2 AND (DRUM(2N)SHELL)
S7	88	S2 AND (DRUM(2N)BODY)
S8	33	S2 AND (DRUM(2N)SIDE)
S9	2	S2 AND (DRUM(2N)LATERAL??)
S10	5	S2 AND (DRUM(2N)VERTICAL??)
S11	1	S6 AND CONVOLUT?
S12	1	S3 AND CONVOLUT?
S13	2	S3 AND CORRUGAT?
S14	2	PN='JP 2002062869'
S15	0	S2 AND (SNAREDRUM? OR BASSDRUM?)
S16	7	S3 AND INDENT?
S17	7	S3 AND RIDG????
S18	72	S3 AND (SLOT OR SLOTS OR SLOTT????? OR REINFORC?????)
S19	14	S16:S17
S20	21	S5:S6 AND S18
S21	6	S20 AND (VERTICAL?? OR SIDE OR LATERAL?? OR PERPENDICULAR?- ???)
S22	607	(S5:S8 OR S18 OR DRUMSHELL? OR DRUM()SHELL??)
S23	15	S22 AND SEGMENTS
S24	0	S22 AND FLUTED
S25	0	S22 AND FLUTING??
S26	2	S22 AND CORRUGAT?
S27	8	S22 AND FOLD?????

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File 613:PR Newswire 1999-2002/Aug 05

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S1 172 DRUMSHELL? OR DRUM(2N)SHELL? ?
 >>>Unmatched parentheses
 ? s drum?????(4n)corrugat?
 338851 DRUM??????
 86623 CORRUGAT?
 S2 254 DRUM?????(4N)CORRUGAT?
 ? cland2
 172 1
 254 2
 S3 0 1AND2

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File 32:METADEX(R) 1966-2002/Aug B2
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*File 32: See Help Codes32 for a list of the Alloy Class Codes(CC=) and Alloy Class Names(CN=) used in Metadex.
File 33:Aluminium Ind Abs 1968-2002/Aug
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File 96:FLUIDEX 1972-2002/Jul
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File 248:PIRA 1975-2002Aug W1
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 *File 248: Changes have been made to Subject Headings and Codes as of
 July 2002. See Help Codes248 for a complete list of Subject Headings.
 File 293:Eng Materials Abs(R) 1986-2002/Aug
 (c) 2002 Cambridge Scientific Abs
 File 315:ChemEng & Biotec Abs 1970-2002/Jun
 (c) 2002 DECHEMA
 File 323:RAPRA Rubber & Plastics 1972-2002/Sep
 (c) 2002 RAPRA Technology Ltd
 *File 323: Alert feature enhanced for multiple files, duplicate
 removal, customized scheduling. See HELP ALERT.
 File 335:Ceramic Abstracts 1976-2002/Q1
 (c) 2002 Cambridge Scientific Abs.
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info

Set	Items	Description
S1	141	DRUMSHELL? OR DRUM(2N)SHELL? ?
S2	133	DRUM??????(4N)CORRUGAT?
S3	1	1AND2
S4	15	DRUM??????(4N)CONVOLU????????
S5	1	1AND2
S6	12	RD S4 (unique items)
S7	0	1AND4
S8	2	S1:S2 AND BULG????
S9	6	S1:S2 AND (SLOT OR SLOTS OR SLOTT????)
S10	8	S8:S9
S11	7	RD S10 (unique items)

05aug02 12:28:33 User259284 Session D1888.4

SYSTEM:OS - DIALOG OneSearch

File 471:New York Times Fulltext2002/Au (c) 2002 The New York Times
 File 489:The News-Sentinel 1991-2002/Aug 02
 (c) 2002 Ft. Wayne Newspapers, Inc
 File 490:Tallahassee Democrat 1993- 2002/Jul 29
 (c) 2002 Tallahassee Democrat
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06
 (c) 2002 Phoenix Newspapers
 *File 492: This file is temporarily not updating.
 File 494:St LouisPost-Dispatch 1988-2002/Aug 05
 (c) 2002 St Louis Post-Dispatch
 File 498:Detroit Free Press 1987-2002/Aug 02
 (c) 2002 Detroit Free Press Inc.
 File 631:Boston Globe 1980-2002/Aug 04
 (c) 2002 Boston Globe
 File 633:Phil.Inquirer 1983-2002/Aug 02
 (c) 2002 Philadelphia Newspapers Inc
 File 634:San Jose Mercury Jun 1985-2002/Aug 03
 (c) 2002 San Jose Mercury News
 File 638:Newsday/New York Newsday 1987-2002/Aug 03
 (c) 2002 Newsday Inc.
 File 640:San Francisco Chronicle 1988-2002/Aug 04
 (c) 2002 Chronicle Publ. Co.
 File 641:Rocky Mountain News Jun 1989-2002/Aug 03
 (c) 2002 Scripps Howard News
 File 642:The Charlotte Observer 1988-2002/Aug 04
 (c) 2002 Charlotte Observer
 File 643:Grand Forks Herald 1995-2002/Aug 04
 (c) 2002 Grand Forks Herald
 File 701:St Paul Pioneer Pr Apr 1988-2002/Aug 01
 (c) 2002 St Paul Pioneer Press
 File 702:Miami Herald 1983-2002/Aug 02
 (c) 2002 The Miami Herald Publishing Co.
 File 703:USA Today 1989-2002/Aug 03
 (c) 2002 USA Today
 File 704:(Portland)The Oregonian 1989-2002/Aug 03
 (c) 2002 The Oregonian
 File 706:(New Orleans)Times Picayune 1989-2000/Sep 15
 (c) 2000 Times Picayune
 *File 706: This file is temporarily not updating.
 File 707:The Seattle Times 1989-2002/Aug 04
 (c) 2002 Seattle Times
 File 708:Akron Beacon Journal 1989-2002/Aug 02
 (c) 2002 Akron Beacon Journal
 File 709:Richmond Times-Disp. 1989-2002/Aug 01
 (c) 2002 Richmond Newspapers Inc
 File 712:Palm Beach Post 1989-2002/Jul 23
 (c) 2002 Palm Beach Newspapers Inc.
 File 713:Atlanta J/Const. 1989-2002/Aug 04
 (c) 2002 Atlanta Newspapers
 File 714:(Baltimore) The Sun 1990-2002/Aug 02
 (c) 2002 Baltimore Sun
 File 715:Christian Sci.Mon. 1989-2002/Aug 05
 (c) 2002 Christian Science Monitor
 File 716:Daily News Of L.A. 1989-2002/Aug 02
 (c) 2002 Daily News of Los Angeles
 File 717:The Washington Times Jun 1989-2002/Aug 02
 (c) 2002 Washington Times
 File 718:Pittsburgh Post-Gazette Jun 1990-2002/Aug 05
 (c) 2002 PG Publishing
 File 719:(Albany) The Times Union Mar 1986-2002/Aug 02
 (c) 2002 Times Union
 File 720:(Columbia) The State Dec 1987-2002/Aug 04
 (c) 2002 The State
 File 721:Lexington Hrld.-Ldr. 1990-2002/Aug 03
 (c) 2002 Lexington Herald-Leader

File 722:Cincinnati/Kentucky Post 1990-2002/Aug 01
 (c) 2002 The Cincinnati Post
 File 723:The Wichita Eagle 1990-2002/Aug 02
 (c) 2002 The Wichita Eagle
 File 724:(Minneapolis)Star Tribune 1989-1996/Feb 04
 (c) 1996 Star Tribune
 *File 724: This file will not be updated until further notice.
 The last update was February 4, 1996.
 File 725:(Cleveland)Plain Dealer Aug 1991-2000/Dec 13
 (c) 2000 The Plain Dealer
 *File 725: This file is temporarily not updating.
 File 731:Philad.Dly.News 1983- 2002/Aug 02
 (c) 2002 Philadelphia Newspapers Inc
 File 732:San Francisco Exam. 1990- 2000/Nov 21
 (c) 2000 San Francisco Examiner
 *File 732: SF Examiner is no longer being published.
 File 732 will remain as a closed file for now.
 File 733:The Buffalo News 1990- 2002/Aug 03
 (c) 2002 Buffalo News
 File 734:Dayton Daily News Oct 1990- 2002/Aug 02
 (c) 2002 Dayton Daily News
 File 735:St. Petersburg Times 1989- 2000/Nov 01
 (c) 2000 St. Petersburg Times
 *File 735: This file is temporarily not updating.
 File 736:Seattle Post-Int. 1990-2002/Aug 03
 (c) 2002 Seattle Post-Intelligencer
 File 738:(Allentown) The Morning Call 1990-2002/Aug 02
 (c) 2002 Morning Call
 File 740:(Memphis)Comm.Appeal 1990-2002/Aug 03
 (c) 2002 The Commercial Appeal
 File 741:(Norfolk)Led./Pil. 1990-2002/Aug 03
 (c) 2002 Virg.-Pilot/Led.-Star
 File 742:(Madison)Cap.Tim/Wi.St.J 1990-2002/Aug 03
 (c) 2002 Wisconsin St. Jrnl
 File 743:(New Jersey)The Record 1989-2002/Aug 02
 (c) 2002 No.Jersey Media G Inc
 File 744:(Biloxi) Sun Herald 1995-2002/Jun 15
 (c) 2002 The Sun Herald
 *File 744: *See HELP NEWSNEWS for Important NEWS regarding PAPERS!

Set	Items	Description
S1	53	DRUMSHELL? OR DRUM(2N)SHELL? ?
S2	23	DRUM?????(4N)CORRUGAT?
S3	76	S1:S2
S4	64	RD S3 (unique items)

05aug02 08:33:11 User259284 Session D1887.3

SYSTEM:OS - DIALOG OneSearch

File 610:Business Wire 1999-2002/Aug 05

(c) 2002 Business Wire.

*File 610: File 610 now contains data from 3/99 forward.

Archive data (1986-2/99) is available in File 810.

File 613:PR Newswire 1999-2002/Aug 05

(c) 2002 PR Newswire Association Inc

*File 613: File 613 now contains data from 5/99 forward.

Archive data (1987-4/99) is available in File 813.

File 621:Gale Group New Prod.Annou.(R) 1985-2002/Aug 05

(c) 2002 The Gale Group

File 649:Gale Group Newswire ASAP(TM) 2002/Aug 01

(c) 2002 The Gale Group

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

File 9:Business & Industry(R) Jul/1994-2002/Aug 02

(c) 2002 Resp. DB Svcs.

File 16:Gale Group PROMT(R) 1990-2002/Aug 05

(c) 2002 The Gale Group

*File 16: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 47:Gale Group Magazine DB(TM) 1959-2002/Aug 02

(c) 2002 The Gale group

File 80:TGG Aerospace/Def.Mkts(R) 1986-2002/Aug 05

(c) 2002 The Gale Group

File 93:TableBase(R) Sep 1997-2002/Jun W5

(c) 2002 Resp. DB Svcs.

File 111:TGG Natl.Newspaper Index(SM) 1979-2002/Aug 02

(c) 2002 The Gale Group

File 112:UBM Industry News 1998-2002/Aug 05

(c) 2002 United Business Media

File 116:Brands & Their Companies 2002/May

(c) 2002 Gale Research Inc.

File 141:Readers Guide 1983-2002/Jun

(c) 2002 The HW Wilson Co

File 148:Gale Group Trade & Industry DB 1976-2002/Aug 05

(c)2002 The Gale Group.

*File 148: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 149:TGG Health&Wellness DB(SM) 1976-2002/Jul W4

(c) 2002 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 177:Adv.& Agency Red Books:Advertisers 2002/Jul

(c) 2002 Reed Elsevier Inc

File 178:Adv.& Agency Red Books:Agencies 2002/Jul

(c) 2002 Reed Elsevier Inc

File 188:Health Devices Sourcebook 2001

ECRI (A nonprofit agency)

File 198:Health Devices Alerts(R) 1977-2002/Aug W1

(c) 2002 ECRI-nonprft agncy

File 211:Gale Group Newsearch(TM) 2002/Aug 05

(c) 2002 The Gale Group

File 233:Internet & Personal Comp. Abs. 1981-2002/Aug

(c) 2002 Info. Today Inc.

File 256:SoftBase:Reviews,Companies&Prods. 82-2002/Jul

(c)2002 Info.Sources Inc

File 275:Gale Group Computer DB(TM) 1983-2002/Aug 05

(c) 2002 The Gale Group

File 481:DELPHEs Eur Bus 95-2002/Jul W3

(c) 2002 ACFCI & Chambre CommInd Paris

File 482:Newsweek 2000-2002/Aug 03

(c) 2002 Newsweek, Inc.

File 484:Periodical Abs Plustext 1986-2002/Jul W4

(c) 2002 ProQuest
 *File 484: SELECT IMAGE AVAILABILITY FOR PROQUEST FILES
 ENTER 'HELP PROQUEST' FOR MORE
 File 535:Thomas Register Online(R) -2002/Q2
 (c) 2002 Thomas Publishing Co.
 File 571:Piers Exports(US Ports) 2002/Jul W4
 (c) 2002 Journal of Commerce
 File 573:Piers Imports(US Ports) 2002/Jul W4
 (c) 2002 Journal of Commerce
 File 583:Gale Group Globalbase(TM) 1986-2002/Aug 03
 (c) 2002 The Gale Group
 File 584:KOMPASS USA 2002/Mar
 (c) 2002 KOMPASS Intl.
 File 585:KOMPASS Middle East/Africa/Mediterr 2002/Jul
 (c) 2002 KOMPASS Intl.
 File 586:KOMPASS Latin America 2002/Mar
 (c) 2002 KOMPASS Intl.
 File 590:KOMPASS Western Europe 2002/FEB
 (c) 2002 KOMPASS Intl.
 File 592:Kompas Asia/Pacific 2002/Jul
 (c) 2002 KOMPASS International
 File 593:KOMPASS Central/Eastern Europe 2002/Jun
 (c) 2002 KOMPASS Intl.
 File 609:Bridge World Markets 2000-2001/Oct 01
 (c) 2001 Bridge
 *File 609: This file is closed.
 File 636:Gale Group Newsletter DB(TM) 1987-2002/Aug 05
 (c) 2002 The Gale Group
 File 646:Consumer Reports 1982-2002/Jul
 (c) 2002 Consumer Union
 File 647:CMP Computer Fulltext 1988-2002/Aug W1
 (c) 2002 CMP Media, LLC

Set	Items	Description
S1	97	DRUMSHELL? ? OR DRUM()SHELL? ?
S2	61	RD S1 (unique items)
S3	4	S2 AND (CONVOLUT????? OR CORRUGAT????? OR SLOT OR SLOTS OR SLOTT????? OR VERTICAL??) (3N) (DRUM? ? OR DRUMSHELL??)
S4	241	DRUMSHELL? ? OR DRUM? ?(2N)SHELL? ?
S5	173	RD S4 (unique items)
S6	112	S5 NOT S2
S7	3	S6 AND (CONVOLUT????? OR CORRUGAT????? OR SLOT OR SLOTS OR SLOTT????? OR VERTICAL??) (3N) (DRUM? ? OR DRUMSHELL??)

2/3,K/42 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

07579017 SUPPLIER NUMBER: 16437444 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Peavey's new drum line: proprietary design enhances resonance. (Peavey
Electronics)
Music Trades, v142, n10, p96(1)
Nov, 1994
ISSN: 0027-4488 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 502 LINE COUNT: 00037

... that is similar in concept to bridges in other musical instruments.
The bridge consists of a laminated ring of maple that is affixed to the
drum shell. All head mounting hardware is attached to the
bridge, not the shell. The result? Increased volume.

Hartley Peavey explains, "A conventional **drum shell** has to
be strong and thick enough to absorb the stress of carrying head tensioning
hardware. The downside is, all that shell mass robs the...

2/3,K/24 (Item 20 from file: 16)
 DIALOG(R)File 16:Gale Group PROMT(R)
 (c) 2002 The Gale Group. All rts. reserv.

07042104 Supplier Number: 57513545 (USE FORMAT 7 FOR FULLTEXT)
 INNOVATION WITHOUT GIMMICKS ... THE MAPEX APPROACH.(Brief Article)
 Music Trades, v146, n10, p89
 Nov, 1998
 Language: English Record Type: Fulltext
 Article Type: Brief Article
 Document Type: Magazine/Journal; Trade
 Word Count: 1634

... a similar investment in automation. The resulting product quality and durability is sufficiently high that the company confidently offers a limited lifetime warranty on all **drum shells**.

A self-confessed "drum junkie," Markus has tried to harness this manufacturing prowess to create a product line that is, in his words, "innovative without..."

...floor. On the mid-priced Mars Pro Series, heavy bass drum hardware, like the tom-tom receiver plate, is isolated to reduce stress on the **drum shell**. On the higher-priced Saturn and Orion series, even the bass drum spurs are isolated. "By reducing stress on the bass **drum shell**, you get more resonance and a better sound," he stated. "You give the drummer a better tool."

Maintaining The Right Edge

The beating edge, where the **drum shell** meets the drum head, is arguably the single most important factor in determining the performance of any drum. Recognizing this fact, at the Mapex factory...

...a good sales story."

Mapex manufacturing efficiencies are also evident in the availability of high-quality lacquer finishes at price points generally associated with covered **drum shells**. A lacquer finish comes standard on the Mapex mid-priced Mars and Mars Pro Series, and lacquer drum sets make up roughly 50% of the...

23/9/3 (Item 3 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2002 Thomson Derwent. All rts. reserv.

009385585 **Image available**
 WPI Acc No: 1993-079063/199310
 XRPX Acc No: N93-060682

Multisegment musical **drum shell** - has coaxial cylindrical **segments** of material with tonal quality similar to wood, coacting with cage carrying stress

Patent Assignee: PREMIER PERCUSSION LTD (PREM-N)
 Inventor: BROWN J T; HACKETT D P
 Number of Countries: 001 Number of Patents: 002
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2259397	A	19930310	GB 9119668	A	19910906	199310 B
GB 2259397	B	19950322	GB 9119668	A	19910906	199515

Priority Applications (No Type Date): GB 9119668 A 19910906

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2259397	A		7	G10D-013/02	
GB 2259397	B		2	G10D-013/02	

Abstract (Basic): GB 2259397 A

The **shell** is made of at least two co-axial cylindrical **segments** made from wood or a material having a tonal quality similar to that of wood. They act in combination with a drum cage, which carries the stress associated with the tension of the heads.

The co-axial cylindrical **segments** can be made from wood or a composite plastics material having the tonal quality of wood. The drum can comprise three co-axial **segments**, separated by top and bottom metal counterhoops attached to the respective ends of spaced pillars.

ADVANTAGE - Good mechanical strength is achieved.

Dwg.1/1

Abstract (Equivalent): GB 2259397 B

A musical drum having a **drum shell** over the open ends of which respective drum heads are tensioned, the **drum shell** comprising three co-axial **segments**, separated from one another by top and bottom metal counterhoops, which counterhoops are attached to the respective ends of a plurality of spaced pillars which pillars together with the counterhoops, form a drum cage which carries the stress associated with tensioning the drum heads, the co-axial cylindrical **segments** being made from wood or a composite plastics material having the tonal quality of wood and top and bottom tensioning bolts received in the cage for tensioning the respective heads.

Dwg.1/1

Title Terms: MUSIC; DRUM; **SHELL**; COAXIAL; CYLINDER; SEGMENT; MATERIAL

21/9/3 (Item 3 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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011140453 **Image available**
 WPI Acc No: 1997-118377/199711
 XRPX Acc No: N97-097527

Musical **drum** suspension and mounting device - has cylindrical
drum shell with wall having member for suspending it from
 support device and bracket assembly for having attaching sides

Patent Assignee: REMO INC (REMO-N)

Inventor: BELLI R D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5600080	A	19970204	US 95499817	A	19950710	199711 B

Priority Applications (No Type Date): US 95499817 A 19950710

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5600080	A	7	G10D-013/02	

Abstract (Basic): US 5600080 A

The **drum** comprises a cylindrical **drum shell**
 having a cylindrical **shell** wall. At least one end of a
drumhead is attached and a member having a first and second end
 disposed substantially and continuously around the periphery of the
shell in contact relation with the **shell** for mounting the
drum to a support device.

The means for mounting the **drum** to a support device comprises
 a flexible band connected at each end to a bracket assembly for
 receiving a **drum** support. It comprises a rod that is inserted
 into the opening in the bracket assembly. The flexible band is disposed
 within a circumscribed recess or **slot** formed within the
shell wall.

ADVANTAGE - Enables the **drum** to achieve fundamental sounds.

Dwg.3/5

Title Terms: MUSIC; **DRUM**; SUSPENSION; MOUNT; DEVICE; CYLINDER;

DRUM; **SHELL**; WALL; MEMBER; SUSPENSION; SUPPORT; DEVICE;

BRACKET; ASSEMBLE; ATTACH; **SIDE**

Derwent Class: P86

International Patent Class (Main): G10D-013/02

21/9/5 (Item 5 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2002 Thomson Derwent. All rts. reserv.

009762533 **Image available**
 WPI Acc No: 1994-042384/199405
 XRPX Acc No: N94-033544

Musical **drum** with lighting effects - has fluctuating light source making **drum** appear to glow, controlled by vibration-responsive switches

Patent Assignee: VERGARA F S (VERG-I)

Inventor: VERGARA F S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5280742	A	19940125	US 91783500	A	19911028	199405 B

Priority Applications (No Type Date): US 91783500 A 19911028

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5280742	A		7 B31C-005/00	

Abstract (Basic): US 5280742 A

The musical **drum** has an annular **shell** of a thin flexible plastics material. The **shell** has an axis and a wall with an annular concave inner surface and a convex outer surface. A rigid annular liner is formed of a rigid plastic foam material, the liner has an annular convex outer surface and a concave inner surface. The liner convex surface faces the **shell** concave surface to **reinforce** the **shell**. The **shell** and liner define an annular **drum** with an open end.

A flexible **drum** skin spans and is engaged about the annular **drum** end. Clamps secures the **drum** skin about the annular **drum** end. At least one electric light is located within the space circumscribed by the foam liner. A **vertically** mounted inertia switch, responsive to vibrational motion of the **drum** skin controls the power supply to the light.

USE - Ornamental light display. Simple structure. Lightweight design.

Dwg.2/9

6/9/10 (Item 3 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2002 Pira International. All rts. reserv.

00164198 Pira Acc. Num.: 7735430 Pira Abstract Numbers: 03-87-03804

Title: BEATING THE DRUM

Authors: Kerry P

Source: Packag. Week vol. 3, no. 16, 26 Aug. 1987, Suppl. p. xiv

Publication Year: 1987

Document Type: Journal Article

Language: English

Pira Subfiles: International Packaging Abstracts (PK)

Journal Announcement: 8711

Abstract: For many industrial raw materials, whether dangerous or not, and whether in liquid, paste, powder or granular form, drums are an appropriate package. For liquids, steel drums are most commonly used and fitted with Tri-Sure closures. The internal finish of such drums may be selected to provide compatibility with the product. Plastics drums made from high molecular weight HDPE can be either blow moulded or extruded then fabricated, and in suitable resins may be adequate for hazardous goods. Plastic/steel composite drums are steel drums fitted with semi-rigid plastic liners, and are suitable for many demanding applications since they combine the advantages of steel and plastic. Fibreboard **drums** are **convolutely** wound and may be provided with top and bottom metal climbs. They are widely used for solids.

Trade Names: TRI-SURE

Geographic Locations: EUROPE; UNITED KINGDOM

Geographic Codes: EU; EZUKM

27/9/5 (Item 5 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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007368211 **Image available**
 WPI Acc No: 1988-002146/198801
 XRPX Acc No: N88-001690

Electronic bass or snare drum - has sensor producing signal when bellows within cushion member completely compressed

Patent Assignee: CASIO COMPUTER CO LTD (CASK)

Inventor: NOMURA Y

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2192087	A	19871231	GB 8715069	A	19870126	198801 B
DE 3721597	A	19880121	DE 3721597	A	19870630	198804
US 4947725	A	19900814	US 89443805	A	19891129	199035
GB 2192087	B	19900905				199036
DE 3721597	C	19911031				199144

Priority Applications (No Type Date): JP 86U98963 U 19860630

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

GB 2192087 A 17

Abstract (Basic): GB 2192087 A

The drum has a cushioning member (16), located within the **drum shell** (12,14) to elastically support the cushioning/vibration composite plates (18,20). The member has bellows (44) for externally urging the composite plates and an elastic support section (46) which, when receiving an external strike force exceeding a predetermined value, is elastically deformed. A sensor (24) does not produce an electrical output until the bellows is completely compressed by the strike force.

When the strike force is increased to exceed the predetermined value, the elastic support section elastically deforms, thus alleviating the reaction force against the strike force. The elastic support section is apertured, to permit air flow. The cushioning member may further comprise a ring-like air-filled tube which is T-shaped in cross-section.

ADVANTAGE - Allows performer to 'feel' drum while playing.

1/10

Abstract (Equivalent): DE 3721597 C

The electronic percussion instrument has a housing open at one end and closed at the other. The percussion parts a vibrating plate (18) and a damping plate (20) are fitted at the open end and are covered by the skin (22). All are secured to the housing by a retg. ring and screws. Sensing units are provided for the vibrations and units for producing corresp. signals. There is a damping arrangement inside the housing between the percussion parts and the drum (10). A partition (16) forms a cylindrical chamber, with a flexible section tending to force the plates outwards. The flexible section is achieved by **folds** in the walls of the section (44). USE/ADVANTAGE - The instrument vibrates only due to vibrations of the plate provided. It is suitable for commercial application.

(15pp

Abstract (Equivalent): GB 2192087 B

An electronic drum comprising: a shell having an opening at one end and being closed at the other end; a strikable member located at the opening of the shell so that it is struck; fixing means for fixing the strikable member to the shell; vibration sensing/electric signal producing means mounted on the strikable member to be struck and adapted to pick up vibration which is produced upon externally striking the strikable member and to generate an electric signal corresponding to the vibration thus produced; and a cushioning member located within the shell, between a strikable member and a bottom surface of the shell, and including: an externally urging section to urge the strikable member externally away from the opening of the shell, and a cushioning section adapted to be elastically deformable to allow said strikable member to move towards said closed end of said shell when a force transmitted from said strikable member is larger than a

predetermined value.

Abstract (Equivalent): US 4947725 A

The vibration plate and cushioning plate are arranged, as a layered structure, within a **drum shell** in that order as viewed from the inner bottom of the **drum shell** toward a batter head with a vibration sensing/electric signal producing sensor attached to the vibration plate. A cushioning member is located within the **drum shell** to elastically support the cushioning plate between the inner bottom surface of the **drum shell** and the vibration plate. The cushioning member includes an externally urging section for externally urging the vibration plate toward the **drum shell** and an elastic support section which, when receiving an external strike force exceeding a predetermined value, is elastically deformed toward the inner bottom surface of the **drum shell**.

(16pp

23/9/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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013585735 **Image available**
 WPI Acc No: 2001-069942/200108
 XRAM Acc No: C01-019411
 XRPX Acc No: N01-052852

Drumming apparatus includes plastic **shell** with integral head, wooden dowel(s), and first and second fabric coverings adhered to integral head and exterior surface of wooden dowel(s), respectively
 Patent Assignee: FIONDELLA SCHOOL DRUMMING LLC MIKE (FION-N)
 Inventor: FIONDELLA J V; FIONDELLA M H
 Number of Countries: 001 Number of Patents: 001
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6150594	A	20001121	US 98192141	A	19981114	200108 B

Priority Applications (No Type Date): US 98192141 A 19981114

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6150594	A	8	G10D-013/02	

Abstract (Basic): US 6150594 A

NOVELTY - A drumming apparatus (20) consists of a plastic **shell** (26) having a bucket shape with an integral head (28) and open end (30), a first fabric covering (32) adhered to the entire surface of the integral head, wooden dowel(s), and a second fabric covering (36) adhered to the entire cylindrical exterior surface of the wooden dowel(s).

DETAILED DESCRIPTION - A drumming apparatus comprises a plastic **shell** having a bucket shape with an integral head and open end, a first fabric covering having a first thickness, wooden dowel(s), and a second fabric covering with a second thickness greater than the first thickness. The first fabric covering is adhered to the entire surface of the integral head. The second fabric covering is adhered to the entire cylindrical exterior surface of the wooden dowel(s). The wooden dowel(s) is used to strike the integral head of the plastic **shell** to produce a sound.

USE - As a drumming apparatus which can be played in many environments e.g. schools, homes, or neighborhoods.

ADVANTAGE - The apparatus produces good tonal quality; is affordable, durable, stackable, and easily transportable; and does not require electronics or power sources.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of the drumming apparatus.

Drumming apparatus (20)
 Plastic **shell** (26)
 Integral head (28)
 Open end (30)
 First fabric covering (32)
 Second fabric covering (36)
 pp; 8 DwgNo 1/10

Technology Focus:

TECHNOLOGY FOCUS - POLYMERS - Preferred Material: The plastic **shell** is a Plastikan plastic bucket.

TEXTILES AND PAPER - Preferred Materials: The first and second fabrics are felt. Preferred Dimensions: The first and second coverings have thickness of 1/16 and one quarter inch, respectively. MECHANICAL ENGINEERING - The apparatus also comprises at least two removable legs which are clipped on the open end of the plastic **shell** by clothes pins, or fastened with strip of tiny loops and hooks fastening system or snaps to the plastic **shell** beside the open end. The apparatus can also comprise plastic **shells** having buckets of different sizes with each plastic **shells** creating a particular sound and pitch corresponding to the size. The plastic **shells** are stackable. A frame having arc shaped **segments** holds the plastic **shell**(s) with each segment conforming to the shape of the plastic **shell**(s).

Title Terms: APPARATUS; PLASTIC; **SHELL**; INTEGRAL; HEAD; WOOD; DOWEL;